



SONOMA COUNTY WATER AGENCY
POWER PURCHASE AGREEMENT FOR FLOATING SOLAR PHOTOVOLTAIC (PV) AT
SONOMA COUNTY WATER AGENCY PONDS
REQUEST FOR PROPOSALS (RFP)

ADDENDUM 2

Issued: May 9, 2014

FROM: Sonoma County Water Agency
404 Aviation Blvd.
Santa Rosa, CA 95403-9019

TO: Prospective Proposers

This Addendum forms a part of and modifies the RFP issued April 7, 2014 and modified by Addendum 1 issued May 1, 2014.

I. Changes to RFP Letter

A. See attached RFP letter with changes tracked

II. Question(s)/Answer(s)

Water Agency's responses to Bidder questions shall be for the purposes of interpretation and clarification of the RFP only, and shall not be construed as changing, superseding, or contradicting any express term in the RFP. Proposer questions are listed below verbatim.

Potential Proposer 1

1. Would a proposer need to be registered to do business in California? We are a Canadian Corporation and our contractors and subcontractors have the license to construct PV systems in the state of California.

Water Agency's response: See RFP.

2. Would the solar systems built on the water ponds be eligible for any property tax exemption?

[Water Agency's response:](#) Addressed in this Addendum 2.

3. Would the solar systems built on the water ponds be eligible for sales tax exemption?

[Water Agency's response:](#) Addressed in this Addendum 2.

4. Would you please clarify the proposed installed capacity for the solar PV systems? Page 1 indicates 20.8MWac and page 2 shows 20.8MWdc.

[Water Agency's response:](#) Addressed in this Addendum 2.

5. Please indicate the credit rating of Sonoma County Water Agency?

[Water Agency's response:](#) Addressed in this Addendum 2.

6. Please indicate if there is a staging area close to the water ponds berm, if so what is the distance to each of them? Please indicate if the dimensions of the staging area are approximately to 300' x 200'

[Water Agency's response:](#) Addressed in this Addendum 2.

7. Can we also get historical weather data/profile for the existing ground mount solar operations (energy production by month)?

[Water Agency's response:](#) Addressed in this Addendum 2.

8. What is the nature of the water in the ponds? Total dissolved solids? pH? Any special corrosion concerns?

[Water Agency's response:](#) Addressed in this Addendum 2.

9. What is the size of the Sonoma County Water Agency's electrical load? If possible an hourly usage profile would be helpful

[Water Agency's response:](#) See RFP.

10. What is the lining of the various ponds? Can the installation rest on the bottom of the ponds during times of low water?

[Water Agency's response:](#) Addressed in this Addendum 2.

11. Not all the drawings for the ponds include cross sections of the dikes. Can we get cross section drawings including materials description for all ponds?

[Water Agency's response:](#) Addressed in this Addendum 2.

12. Does the Sonoma County Water Agency have a preferred COD?

Water Agency's response: No.

13. Does SCWA anticipate using the MND or EIR documents for the CEQA process?

Water Agency's response: See RFP.

Potential Proposer 2

1. Can you identify flat, accessible staging and work areas adjacent to each site?

Water Agency's response: Addressed in this Addendum 2.

2. What is the maximum vehicle weight allowed on the berms?

Water Agency's response: Addressed in this Addendum 2.

3. Okay to penetrate the tops of the berm?

Water Agency's response: Addressed in this Addendum 2.

4. Penetration and sealing of the plastic liners okay (above water)?

Water Agency's response: Addressed in this Addendum 2.

5. Okay to lay ballast underwater on the plastic lined ponds (up to 5,000 lbs each)? On the clay ponds?

Water Agency's response: Addressed in this Addendum 2.

6. What is the typical water level variation in each pond?

Water Agency's response: Addressed in this Addendum 2.

7. Okay to block access on the top of the berm inhibiting circumnavigation (during construction only)?

Water Agency's response: Addressed in this Addendum 2.

8. What are the site restrictions? Access and construction times?

Water Agency's response: See RFP Exhibits.

9. Motorboats allowed on the water? If so, what type and size?

[Water Agency's response:](#) Addressed in this Addendum 2.

10. Are certain materials restricted on, in or near the water?

[Water Agency's response:](#) Addressed in this Addendum 2.

11. What is the final use of the water at each site? What is the pH range?

[Water Agency's response:](#) Addressed in this Addendum 2.

12. What AHJs will be involved?

[Water Agency's response:](#) See RFP.

13. Is there any historical data on depth or ideally total surface area of the lakes?

[Water Agency's response:](#) Addressed in this Addendum 2.

14. Will SCWA accept PVSyst energy production estimates in lieu of NREL PVWatts?

[Water Agency's response:](#) Addressed in this Addendum 2.

Potential Proposer 3

1. After the site visits and reviewing the RFP documents in detail I would like to request an extension of the proposal delivery due date of at least 4 weeks, if possible 8.

The reasoning behind this request is the due diligence work which needs to take place to allow potential PPA providers and financing entities in the US the appropriate time for reviewing the currently proposed PPA as well as the technical ramifications. At this point there is not a significant amount of floating PV project in the US which create the needed level of comfort for large tax equity providers.

Although we are confident to have the right technical solution, this economical portion of the RFP needs the requested additional time.

Additionally, the evaluation of different project sizes versus a lowest cost/kwh production analysis requires more time than straight forward utility scale ground mounted solar systems which are based on standard and proven models.

Please let me know if you have questions around this request?

[Water Agency's response:](#) See Addendum 1.

Potential Proposer 4

1. Can the due date be postponed? The May 13 date does not provide enough time to prepare a PPA proposal for a project of this size and scope.

Water Agency's response: See Addendum 1.

2. What is the white residue around the edge of the Ramal Road ponds? Calcium? Salt? Can you provide its chemical makeup and what in the pond water causes it?

Water Agency's response: Addressed in this Addendum 2.

3. How is AC KW calculated? STC DC watts x CEC inverter efficiency?

Water Agency's response: Addressed in this Addendum 2.

4. PG&E interconnection costs are going to be unknown until an Interconnection Application is filed and a cost study is completed by PG&E. How will the Seller be protected from this unknown cost risk?

Water Agency's response: See RFP.

5. Will the local content preference be given to a Seller that employs local subcontractors or must the Seller itself be a local firm.

Water Agency's response: See RFP.

6. Does a Joint Venture with a local firm qualify a Seller for the local preference?

Water Agency's response: See RFP.

7. Will the SCWA provide CAD files (or equivalent format) for each pond of the drawings already provided in the RFP?

Water Agency's response: Available CAD drawings are provided and included in Exhibit G.

8. Will Site Plans of each site be provided in CAD for drawings and determining staging areas?

Water Agency's response: Addressed in this Addendum 2.

9. Will the maintenance process of each reservoir and embankment (method, frequency, etc.) be provided?

Water Agency's response: Addressed in this Addendum 2.

10. Will SCWA provide water level variations expected, as drawings provided have only the highest water level but not the lowest water level.

Water Agency's response: Addressed in this Addendum 2.

11. For design purposes should we should make the assumption that the ponds can go completely dry.

Water Agency's response: Addressed in this Addendum 2.

12. For the ponds with geo-membrane, what are the characteristics and specifications of the geo-membrane, possible maintenance necessary, possible issues if the pond goes dry and the solar island rests on it?

Water Agency's response: Addressed in this Addendum 2.

13. Can we drill up to 2 meters in the embankments to install anchors on the shore of every pond?

Water Agency's response: Addressed in this Addendum 2.

14. Can we receive the weather station data (irradiation, wind speed, etc.) that is being collected at the pond or the nearest station. Especially data from the existing solar systems at the Airport Pond and the Sonoma Treatment Plant.

Water Agency's response: Addressed in this Addendum 2.

15. Can we receive a copy of the electrical single line diagram for the solar electric system and plant at the Airport ponds?

Water Agency's response: See RFP.

16. What prevailing wage rate classification should be used for assembly of the solar islands and attachment of the solar modules not including Electrician wiring of the solar modules? Will the "Laborer" classification be acceptable? If not, which classification should be used?

Water Agency's response: Addressed in this Addendum 2.

17. How do you calculate "Available Capacity" and "Guaranteed Capacity" ?

[Water Agency's response:](#) Addressed in this Addendum 2.

18. Will you identify the "Delivery Point" for each pond?

[Water Agency's response:](#) Addressed in this Addendum 2.

19. Exhibit B and F are rather punitive and do not project a desire to have a cooperative partnership between the Seller and Buyer. Shouldn't the relationship be more collaborative so that the parties can work together for a successful project? Why are these penalties and damages necessary? Can they be removed or softened given unknown factors such as the PG&E interconnection process during construction and the unpredictability of solar insolation over 20 years during the PPA term?

[Water Agency's response:](#) See RFP.

20. If the PPA is assigned to Sonoma Clean Power and Sonoma Clean Power ceases operation over the next 20 years what assurance does the Seller have that the power produced will be purchased by some entity such as the Sonoma County Water Agency at the PPA price? Please describe what would happen to the Buyer's obligations under such a scenario.

[Water Agency's response:](#) See RFP Exhibits.

Potential Proposer 5

1. Is it possible to get the native CAD files for the basin drawings? At minimum, we are looking at pages 6, 8-12, and 15 in the attached document. Can you please let me know either way, as to whether or not you can send these?

[Water Agency's response:](#) Available CAD drawings are provided and included in Exhibit G.

Potential Proposer 6

1. Could you advise if the Usable Pond surface area on page 2 represents the top area of the ponds when full or the bottom base size?

[Water Agency's response:](#) Addressed in this Addendum 2.

Potential Proposer 7

1. Do you have a Anti Vibration Guidline to reduce vibration of Floating solar photovoltaic to be built on ponds?

Earthquake in California is happening frequently. Floating solar photovoltaic is one of the best solutions for California.

Every year Some typhoons arrive California. The typhoon has strong wind. Floating solar photovoltaic must have constructed to resist typhoons. When you are using floating systems on water bodies, you have to reduce vibration to install floating solar photovoltaic. Because, it can make micro-cracks to floating photovoltaic panels and the durability problem of floating solar photovoltaic facility. The risk of power loss in photovoltaic panels due to micro cracks is increasing

[Water Agency's response:](#) There is no Vibration Guideline. This is the responsibility of the proposer.

2. Do you have a Mooring Regulations to control the floating solar photovoltaic direction and position?

As you know, direction is effect the electricity production. If you can not control the floating solar photovoltaic direction, you can not guarantee a stable electricity production. The movement of floating solar photovoltaic facility is caused by wind, waves and external forces. It negative effects for the safety also. So it's very important to maintain effectively same direction and position on the water

[Water Agency's response:](#) There are no mooring regulations. See this Addendum 2.

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